

Change Order Number 3

PROJECT: **ROLATER 42" WATER LINE (COIT ROAD - PRESTON ROAD)**

PROJECT NUMBER: **CIP 06-0023**

BID NUMBER: **0810-001**

CONTRACT AMOUNT:

Original Contract: \$4,123,741.34

City Council Date: December 20, 2007

Change Order #1: \$4,107,857.34

City Council Date: February 21, 2008

Change Order #2: \$4,802,232.65

City Council Date: February 21, 2008

Date: January 6, 2009

CONTRACTOR:

S. J. Louis Construction of Texas
520-A South 6th Avenue
Mansfield, TX 76063
Phone: (817) 477-0320
Fax: (817) 477-0552

You are directed to make the changes noted below in the subject Contract:

City of Frisco, Texas

By: _____

Name: George Purefoy, City Manager

Dated: _____

Nature of Changes:

The following changes are to be made a part of the contract at the following prices:

1. Various changes in 42" water line in Rolater Road based on Contractor Requests for Information and Contract Modification Requests (CMR Number as listed below).

CMR

<u>No.</u>	<u>Description of Changes</u>
2 rev	An AT&T steel conduit blocked the tunnel 60" diameter tunnel that crosses Preston Road. The tunnel excavation had to be stopped and backfilled and the point of beginning relocated farther to the east and lowered to avoid the utility. A blow-off valve was added due to the change in elevation of the 42" pipe.
3	Connection of the new 42" steel pipe had to be revised to match the existing pipe that did not have a flange joint as noted in plans and this required additional material, labor and equipment costs.
4	In lieu of excavating across Stonebrook Parkway west bound lanes and creating traffic congestion, the 24-inch line crossing of Stonebrook Parkway was tunneled.
5	Due to change in grade of the pipe at Stonebrook Parkway, an air release valve was required to be relocated and a new flanged outlet fabricated.
6	In order to safely accommodate access of operating personnel, the diameter of the air release vaults were changed from 4 to 5 feet.
7	Grouting of 60" tunnels was added since the original design showed casing spacers which would not work with the corrugated tunnel line plate.
8	Numerous tunnel extensions were made to avoid utility conflicts.
9	Replace 14" spool piece of pipe on blow-offs with a 48" spool to move a joint of pipe out of the bedding of the pipe to protect its structural integrity.
10	A 60" diameter tunnel crossing of Rolater Road was extended to avoid damage to a fiber optics cable to FUSD and closure of a lane of traffic on Rolater Road before the beginning of the school year. The pipe excavation was stopped and backfilled and contractor moved crews to a different location to the east in order to continue working until the tunnel could be extended.
11	Construction of a 24" ductile iron pipe in lieu of a 12" and a 24" pipe along the 12" pipe alignment from Sta 8+00 to 13+30 before site improvements were made by owner.
12	High strength and early set concrete admixture was used to expedite concrete pavement replacement across two median openings located just east of Preston Road and minimize time of closure for traffic.
15	Scope of work is replacement of 90 degree fittings with 45 degree fitting at fire hydrants; deletion of blow-off valves; and use of PVC pipe for 12" pipe connection at Station 12+65.
17	Added tunneling across Rolater Road for fire hydrants and air release valves to avoid trenching and closure of Rolater Road.
18	Deleted 24" ductile iron pipe above Station 13+30 due to lack of easements.

Change Order Number 3

CONTRACT AMOUNT, PREVIOUS:									\$4,802,232.65
CMR No.	Pay Item	QUANTITY		Units	Description	Unit	Prior	Revised	Change in Cost
		Orig. or Prior Rev.	Revised			Cost	Total Cost	Total Cost	
2 rev	new 2r-a	0	1	LS	Remove tunnel liner plate, abandon tunnel & lower shaft	\$16,100.00	\$0.00	\$16,100.00	\$16,100.00
2 rev	new 2r -b	0	18	LF	60" Tunnel abandon less liner plate	\$457.50	\$0.00	\$8,235.00	\$8,235.00
2 rev & 8	3	702	775	LF	60" Steel casing pipe (by other than open cut): +51' in CMR 8 & +22' in CMR 2 rev	\$565.00	\$396,630.00	\$437,875.00	\$41,245.00
2 rev & 8	1b	10,561	10,488	LF	42" Steel pipe by open cut: -22' in CMR 2 rev & -51' in CMR 8	\$272.00	\$2,872,592.00	\$2,852,736.00	(\$19,856.00)
2 rev & 8	2b	702	775	LF	42" Steel pipe installed in 60" casing: +51' in CMR 8 & +22' in CMR 2 rev	\$155.00	\$108,810.00	\$120,125.00	\$11,315.00
2 rev	new 2r-c	0	1	LS	Additional labor, equipment, material	\$15,460.14	\$0.00	\$15,460.14	\$15,460.14
3	new 3-a	0	1	LS	Additional material for 42" connection	\$19,013.53	\$0.00	\$19,013.53	\$19,013.53
3	new 3-b	0	1	LS	Additional labor, equipment, material	\$11,127.12	\$0.00	\$11,127.12	\$11,127.12
4	new 4-a	0	35	LF	36" Bore and Steel casing	\$205.00	\$0.00	\$7,175.00	\$7,175.00
4	new 4-b	0	1	LS	Casing spacers and end seals	\$437.00	\$0.00	\$437.00	\$437.00
4 & 17	20	5,303	4,825	SY	Permanent concrete pavement repair: -38' in CMR 4 & -440' in CMR 17	\$50.00	\$265,150.00	\$241,250.00	(\$23,900.00)
4	5a	45	50	LF	24" DIP, PE wrapped by open cut	\$160.00	\$7,200.00	\$8,000.00	\$800.00
4	new 4-c	0	1	LS	Connect 24" pipe to 12" pipe at Station 2+17.22	\$12,449.00	\$0.00	\$12,449.00	\$12,449.00
5	new 5-a	0	1	LS	Abandon 6" flanged outlet at Station 63+42	\$1,725.65	\$0.00	\$1,725.65	\$1,725.65
6	new 6-a	0	1	LS	Change diameter of 7 ARV Vaults to 5 feet	\$8,549.12	\$0.00	\$8,549.12	\$8,549.12
7	new 7-a	0	753	LF	Pressure grout 60" tunnels	\$66.00	\$0.00	\$49,698.00	\$49,698.00
8	new 8-a	0	1	LS	Additional labor, equipment, material	\$12,385.59	\$0.00	\$12,385.59	\$12,385.59
9	new 9-a	0	1	LS	Change in length of spool piece for Blow-offs	\$738.76	\$0.00	\$738.76	\$738.76
10	new 10-a	0	1	LS	Additional labor, equipment, material	\$46,486.96	\$0.00	\$46,486.96	\$46,486.96
10	new 10-b	0	1	LS	Mobilization cost for SJ Louis	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00
10	new 10-c	0	1	LS	Subcontractor cost increase	\$4,830.00	\$0.00	\$4,830.00	\$4,830.00
10	new 10-d	0	1	LS	Subcontractor mobilization cost	\$3,450.00	\$0.00	\$3,450.00	\$3,450.00
11	new 11-a	0	1	LS	Additional labor, equipment, material	\$49,371.25	\$0.00	\$49,371.25	\$49,371.25
11	new 11-b	0	1	LS	Additional mobilization cost	\$10,000.00	\$0.00	\$10,000.00	\$10,000.00
11	new 11-c	0	1	LS	Additional testing and disinfecting	\$3,000.00	\$0.00	\$3,000.00	\$3,000.00
11	CO2-1	680	345	SY	6" Reinforced Concrete Pavement	\$50.00	\$34,000.00	\$17,250.00	(\$16,750.00)
11	new 11-d	0	335	SY	Remove existing concrete pavement	\$12.00	\$0.00	\$4,020.00	\$4,020.00
11	new 11-e	0	335	SY	Temporary flex base pavement	\$9.00	\$0.00	\$3,015.00	\$3,015.00
11	CO2-10	60	0	LF	24" Bore and steel casing	\$370.00	\$22,200.00	\$0.00	(\$22,200.00)
11	CO2-11	46	0	LF	24" Steel casing, open cut	\$90.00	\$4,140.00	\$0.00	(\$4,140.00)
11	CO2-12	1	2	EA	24" Butterfly valve	\$9,700.00	\$9,700.00	\$19,400.00	\$9,700.00
11	CO2-14	1894	0	LF	12" Ductile iron pipe	\$75.00	\$142,050.00	\$0.00	(\$142,050.00)
11	CO2-15	13	0	EA	12" Gate valve	\$2,400.00	\$31,200.00	\$0.00	(\$31,200.00)
11	CO2-16	2	0	EA	12" Cap with restraint	\$1,200.00	\$2,400.00	\$0.00	(\$2,400.00)
11 & 18	CO2-21	4	3	EA	8" Cut and plug: +2 CMR 11 & -3 in CMR 18	\$2,500.00	\$10,000.00	\$7,500.00	(\$2,500.00)

Change Order Number 3

CMR No.	Pay Item	QUANTITY		Units	Description	Unit	Prior	Revised	Change in Cost
		Orig. or Prior Rev.	Revised			Cost	Total Cost	Total Cost	
11	CO2-25	1	0	EA	2" Blow-off assembly	\$3,000.00	\$3,000.00	\$0.00	(\$3,000.00)
11	CO2-30	10	3	EA	Reconnect water service	\$1,000.00	\$10,000.00	\$3,000.00	(\$7,000.00)
11	new 11-f	0	1	LS	24" temporary cap	\$1,300.00	\$0.00	\$1,300.00	\$1,300.00
11	new 11-g	0	1	LS	Connect to existing 24" pipe at Station 13+30	\$7,800.00	\$0.00	\$7,800.00	\$7,800.00
11	new 11-h	0	1	LS	Re-stake revised alignment of 24" pipe	\$833.75	\$0.00	\$833.75	\$833.75
12	new 12-a	0	200	SY	Hi/early concrete admixture for pavement replacement	\$11.41	\$0.00	\$2,282.00	\$2,282.00
13	new 13-a	0	1	LS	Additional labor, equipment, material	\$19,385.62	\$0.00	\$19,385.62	\$19,385.62
13	new 13-b	0	1	LS	Additional mobilization cost for tunnel crew	\$1,500.00	\$0.00	\$1,500.00	\$1,500.00
13	new 13-c	0	1	LS	54" Steel casing pipe, 13 LF	\$4,031.90	\$0.00	\$4,031.90	\$4,031.90
13	new 13-d	0	13	LF	Grout 54" tunnel casing	\$60.00	\$0.00	\$780.00	\$780.00
15	new 15-a	0	1	LS	Additional cost to add 2-45 degree bends at 5 fire hydrants	\$4,944.26	\$0.00	\$4,944.26	\$4,944.26
15	new 15-b	0	3	EA	Station 21+75; 40+10; and 65+50	\$2,631.60	\$0.00	\$7,894.80	\$7,894.80
15	17	4	2	EA	10" Blow-off valve with manhole	\$8,300.00	\$33,200.00	\$16,600.00	(\$16,600.00)
15	new 15-c	0	1	LS	Additional cost of 12" connection at Station 12+65	\$9,234.59	\$0.00	\$9,234.59	\$9,234.59
17	new 17-a	0	308	LF	Bore 12" steel casings for 4 fire hydrants and 6 air release valves across Rolater Road	\$225.00	\$0.00	\$69,300.00	\$69,300.00
17	new 17-b	0	9	EA	Bore launch pit	\$4,000.00	\$0.00	\$36,000.00	\$36,000.00
17	new 17-c	0	9	EA	Bore exit pit	\$1,500.00	\$0.00	\$13,500.00	\$13,500.00
17	new 17-d	0	1	LS	Additional labor, equipment, material	\$67,725.00	\$0.00	\$67,725.00	\$67,725.00
17	new 17-e	0	40	LF	10" DIP, PE wrapped open cut	\$36.00	\$0.00	\$1,440.00	\$1,440.00
17	21	8,481	8,211	LF	Concrete curb & gutter replacement	\$1.50	\$12,721.50	\$12,316.50	(\$405.00)
17	24	104,436	122,436	SF	Hydromulch seeding	\$0.04	\$4,177.44	\$4,897.44	\$720.00
17	26	500	1,620	SF	Replace concrete sidewalks	\$6.00	\$3,000.00	\$9,720.00	\$6,720.00
18	CO2-2	413	102	LF	Curb Replacement	\$1.50	\$619.50	\$153.00	(\$466.50)
18	CO2-3	160	0	CY	Flowable backfill	\$105.00	\$16,800.00	\$0.00	(\$16,800.00)
18	CO2-4	2	0	EA	4" Tree	\$600.00	\$1,200.00	\$0.00	(\$1,200.00)
18	CO2-5	2,374	0	SY	Sodding	\$3.00	\$7,122.00	\$0.00	(\$7,122.00)
18	CO2-6	3,781	607	LF	Water Line Trench Safety	\$0.01	\$37.81	\$6.07	(\$31.74)
18	CO2-7	61	0	LF	36" Bore and casing	\$410.00	\$25,010.00	\$0.00	(\$25,010.00)
18	CO2-8	47	0	LF	36" Steel casing open cut	\$130.00	\$6,110.00	\$0.00	(\$6,110.00)
18	CO2-9	1,887	530	LF	24" Ductile iron pipe	\$160.00	\$301,920.00	\$84,800.00	(\$217,120.00)
18	CO2-17	68	42	LF	8" PVC water line	\$40.00	\$2,720.00	\$1,680.00	(\$1,040.00)
18	CO2-20	2	0	EA	8" Cap with restraint	\$1,000.00	\$2,000.00	\$0.00	(\$2,000.00)
18	CO2-22	18	35	LF	6" PVC water line	\$30.00	\$540.00	\$1,050.00	\$510.00
18	CO2-24	2	1	EA	6" Blow-off valve and assembly	\$5,800.00	\$11,600.00	\$5,800.00	(\$5,800.00)
18	CO2-26	1	2	EA	2" Air release/vacuum valve	\$7,500.00	\$7,500.00	\$15,000.00	\$7,500.00
18	CO2-29	58	15	CY	Concrete thrust blocking	\$100.00	\$5,800.00	\$1,500.00	(\$4,300.00)
18	CO2-31	1	0	EA	Water Meter relocation	\$400.00	\$400.00	\$0.00	(\$400.00)
18	CO2-32	6	0	TN	Cast iron Fittings	\$1.00	\$6.00	\$0.00	(\$6.00)
18	new 18-a	0	1,390	LF	24" DI pipe (DIP) material cost	\$50.35	\$0.00	\$69,986.50	\$69,986.50
18	new 18-b	0	1	LS	Relocate 24" DIP & 36" casing	\$13,000.00	\$0.00	\$13,000.00	\$13,000.00
18	new 18-c	0	1	LS	Overhead & restocking costs	\$12,969.06	\$0.00	\$12,969.06	\$12,969.06
18	new 18-d	0	100	LF	36" Steel casing	\$126.40	\$0.00	\$12,640.00	\$12,640.00
18	new 18-e	0	6	EA	24" Fast Grip gaskets for DIP	\$407.44	\$0.00	\$2,444.64	\$2,444.64
Total Cost of Change Order Number 3 =									\$147,362.00
CONTRACT AMOUNT, REVISED per CHANGE ORDER NUMBER 3:									\$4,949,594.65

Change Order Number 3

These changes result in the following adjustment of Contract Price and Contract Time:

Contract Price Prior to this Change Order:		\$4,802,232.65
Net increase resulting from this Change Order:		\$147,362.00
Contract Price Including this Change Order:		\$4,949,594.65
Contract Time prior to this Change Order:	404	Calendar Days
Net Increase Resulting from this Change Order:	60	Calendar Days
Contract Time Including this Change Order:	464	Calendar Days

The Above Changes are Approved:

City of Frisco, Texas

By:

Name: Elizabeth Metting, P.E.

Title: Assistant Director / City Engineer

S. J. Louis Construction of Texas

By:

Name: LES V. WHITMAN

Title: GENERAL MANAGER